CRF Errors Corrected by the STIC Systems Branch

Serial Number: _09/763,978A_ ENTERED

CRF Processing Date: _7/3/2002_
Edited by: _____
Verified by: _AL_ (STIC sta

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:
_____
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.
3/1/95

```
RAW SEQUENCE LISTING          DATE: 07/03/2002
PATENT APPLICATION:  US/09/763,978A    TIME: 22:40:21

        Input Set : A:\PTO.AMC.txt
        Output Set: N:\CRF3\07032002\I763978A.raw
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     3  <110> APPLICANT: Salceda, Susana
     4         Sun, Yongming
     5         Recipon, Herve
     6         Cafferkey, Robert
     8  <120> TITLE OF INVENTION: A NOVEL METHOD OF DIAGNOSING, MONITORING, STAGING, IMAGING
     9         AND TREATING VARIOUS CANCERS
    11  <130> FILE REFERENCE: DEX-0172
    13  <140> CURRENT APPLICATION NUMBER: 09/763,978A
C--> 14  <141> CURRENT FILING DATE: 2002-04-30
    16  <150> PRIOR APPLICATION NUMBER: PCT/US99/19655
    17  <151> PRIOR FILING DATE: 1999-09-01
    19  <150> PRIOR APPLICATION NUMBER: 60/098,880
    20  <151> PRIOR FILING DATE: 1998-09-02
    22  <160> NUMBER OF SEQ ID NOS: 15
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    28  <212> TYPE: DNA
    29  <213> ORGANISM: Homo sapien
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    36  tggagcaatt gcactcatca ttggctttgg tatttcaggg agacactcca tcacagtcac    180
    38  tactgtcgcc tcagctggga acattgggga ggatggaatc ctgagctgca cttttgaacc    240
    40  tgacatcaaa ctttctgata tcgtgataca atggctgaag gaaggtgttt taggcttggt    300
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    44  gacagcagtg tttgctgatc aagtgatagt tggcaatgcc tctttgcggc tgaaaaacgt    420
    46  gcaactcaca gatgctggca cctacaaatg ttatatcatc acttctaaag gcaaggggaa    480
    48  tgctaacctt gagtataaaa ctggagcctt cagcatgccg gaagtgaatg tggactataa    540
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    52  ctgggcatcc caagttgacc agggagccaa cttctcggaa gtctccaata ccagctttga    660
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    56  caacacatac tcctgtatga ttgaaaatga cattgccaaa gcaacagggg atatcaaagt    780
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    62  gctaaaataa tgtgccttgg ccacaaaaaa gcatgcaaag tcattgttac aacagggatc    960
    64  tacagaacta tttcaccacc agatatgacc tagttttata tttctgggag gaaatgaatt   1020
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    68  aaggctccaa tatgaacaag ataaatctat cttcaaagac atattagaag ttgggaaaat   1140
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    74  tagtgcatgt tctttgtctc tgaatttta gttatatgtg ctgtaatgtt gctctgagga   1320
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RAW SEQUENCE LISTING   DATE: 07/03/2002
PATENT APPLICATION: US/09/763,978A   TIME: 22:40:21

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\07032002\I763978A.raw

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82  cccaactgac aaatgccaaa gttgagaaaa atgatcataa ttttagcata aacagagcag   1560
84  tcggcgacac cgattttata aataaactga gcaccttctt tttaaacaaa caaatgcggg   1620
86  tttatttctc agatgatgtt catccgtgaa tggtccaggg aaggaccttt caccttgact   1680
88  atatggcatt atgtcatcac aagctctgag gcttctcctt tccatcctgc gtggacagct   1740
90  aagacctcag ttttcaatag catctagagc agtgggactc agctggggtg atttcgcccc   1800
92  ccatctccgg gggaatgtct gaagacaatt ttggttacct caatgaggga gtggaggagg   1860
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98  gaaaccctgg ttttgagtag aaaagggcct ggaaagaggg gagccaacaa atctgtctgc   2040
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104 ctatgggaaa tgcctgatgg gattatcttc agcttgttga gcttctaagt ttctttccct   2220
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112 tgaggccttg aggaatgaag ctttgaagga aaagaatact ttgtttccag cccccttccc   2460
114 acactcttca tgtgttaacc actgccttcc tggaccttgg agccacggtg actgtattac   2520
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118 atttcct                                                              2587
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131 agccaggacc tgtgtgggga ggccctcctg ctgccttggg gtgacaatct cagctccagg    180
133 ctacagggag accgggagga tcacagagcc agcatgttac aggatcctga cagtgatcaa    240
135 cctctgaaca gcctcgatgt caaacccctg cgcaaacccc gtatccccat ggagaccttc    300
137 agaaaggtgg ggatccccat catcatagca ctactgagcc tggcgagtat catcattgtg    360
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145 cgatccacac tgcaggtgct ggactcggcc acaggaact ggttctctgc ctgtttcgac    600
147 aacttcacag aagctctcgc tgagacagcc tgtaggcaga tgggctacag cagcaaaccc    660
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159 acataccgat gtgttcaact ggaaggtgcg ggcaggctca gacaaactgg gcagcttccc   1020
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163 tgacatcgcc ctcatgaagc tgcagttccc actcactttc tcaggcacag tcaggcccat   1140
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167 gggctttacg aagcagaatg gagggaagat gtctgacata ctgctgcagg cgtcagtcca   1260
169 ggtcattgac agcacacggt gcaatgcaga cgatgcgtac caggggaag tcaccgagaa   1320
171 gatgatgtgt gcaggcatcc cggaagggg gtgtggacacc tgccagggtg acagtggtgg   1380
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181 ttgggtacac ccctctgccc acagcctcag catttcttgg agcagcaaag ggcctcaatt   1680
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187 gtattgctaa gccaagaagg aactttccca cactactgaa tggaagcagg ctgtcttgta   1860
189 aaagcccaga tcactgtggg ctggagagga gaaggaaagg gtctgcgcca gccctgtccg   1920
191 tcttcaccca tccccaagcc tactagagca agaaaccagt tgtaatataa aatgcactgc   1980
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199 <211> LENGTH: 1709
200 <212> TYPE: DNA
201 <213> ORGANISM: Homo sapien
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208 tgtttgtgca ttgggaatga cattctttcc caccccagga aaacctttgg gactttcaga       180
210 gacattgtgg ctagccaacc acatggtcag cctcaaagtt gagaggctca gtaaccctcc       240
212 tatccctaga gaattccaaa gtgtggatgt aatttaacta gaaagccatt ggtgactatc       300
214 tgtgatcctc tggaagtatg ctatgttgtg tatatcttgc atccaaagcc agagggaacc       360
216 acaatgacta gtaaaacggt ggtctcaatg cccacttagc ctctgcctct gaatttgacc       420
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226 agtgtacaga cagaattaaa gacctggaga aacagttcgt aaagcctgat ggtgagaata       720
228 gagctcgctt ccttccaggg aaagatctga ccgaaaaaga aatgatccaa aaattagaca       780
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234 cactgctctt agccaagaag atgaatggct atcaaagaag gatcaaaaat gcaactgaga       960
236 aaatgatggc tcttgttgct gagctgtcca tgaaacaagc cctaaccatt gaactccaaa      1020
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244 ccaatggtgt ttacacaact gcagagcagc gtccgaatgc ctacatccca gaagcagatg      1260
246 ccactcttcc tttgccaaaa ccttatggtg ctttggctcc ttttaaaccc agtgaacctg      1320
248 gagccaatat gaggcacata aggaaacctg ttataaagcc agttgaaatc tgaatatgtg      1380
250 aacaaatcca ggcctctcaa ggaaaagact tcaaccaggc ttccttgtac ccacaggtga      1440
252 aaaatgtgag cataatactt ctaatattat tgataagtaa ggtaaccaca attagtcagc      1500
254 aacagagtac aacagggttt ctatttaccc accaactact atacctttca tgacgttgaa      1560
256 tgggacatag aactgtccta catttatgtc aaagtatata tttgaatcgc ttatattttc      1620
258 tttttcactc tttatattga gtacattcca gaaatttgta gtaggcaagg tgctataaaa      1680
260 atgcactaaa aataaatctg ttctcaatg                                        1709
263 <210> SEQ ID NO: 4
264 <211> LENGTH: 257
265 <212> TYPE: DNA
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              RAW SEQUENCE LISTING            DATE: 07/03/2002
              PATENT APPLICATION:  US/09/763,978A      TIME: 22:40:21

              Input Set : A:\PTO.AMC.txt
              Output Set: N:\CRF3\07032002\I763978A.raw
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273  atatcttcta tatttaatat gaaagtcttg aaatgtatca gacagaaggg gatttcagtt     180
275  tgcaaataat gagcaatgta gcaattttaa cacatttcat aaatatatat tttgtcattg     240
277  gtggagagca ccatttg                                                    257
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281  <211> LENGTH: 359
282  <212> TYPE: DNA
283  <213> ORGANISM: Homo sapien
285  <400> SEQUENCE: 5
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290  ccatcgttat cagtgtcccc tggagggaca gtcacactca cttgtggctt ggcctctgac     180
292  tcagtctcta ctaatttctt ccccacctgg taccagcaga ccccaggcca ggctccacgc     240
294  acgctcatct acagcacaag cactcgctct tctggggtcc ctgatcgttt ctctggctcc     300
296  atccttggga acaaagctgc cctcaccatt acggggggccc aggcagatga tgaatctga    359
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302  <213> ORGANISM: Homo sapien
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305  <221> NAME/KEY: misc_feature
306  <222> LOCATION: (6)..(6)
307  <223> OTHER INFORMATION: n = a, c, g or t
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321  aaattgcctc catgcagact atgaaactgt tcagcctgct atagttagat ctctggcact     180
323  ggcccaggag gtcttgcaga tttgcagatc aaggagaacc caggagtttc aaagaagcgg     240
325  ctagtaaagg tctctgagat ccttgcacta gctacatcct cagggtagga ggaagatggc     300
327  ttccagaagc atgcggctgc tcctattgct gagctgcctg gccaaaacag gagtcctggg     360
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335  acataagtgg ctatcagaga agccagccga tatggattgg cctgcacgac ccacagaaga     600
337  ggcagcagtg gcagtggatt gatggggcca tgtatctgta cagatcctgg tctggcaagt     660
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349  tctaaatgtt tgccccgcca tccctttcca cagtatcctt cttccctcct cccctgtctc    1020
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    357 aactcctgct tgttttttcct ttggccatgg gaaggtttac cagtagaatc cttgctaggt  1260
    359 tgatgtgggc catacattcc tttaataaac cattgtgtac ataagaggtt gctgtgttcc     1320
    361 agttcagtaa atggtgaatg tggaaaagtg aaataagacc aagaaataca aa             1372
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    366 <212> TYPE: DNA
    367 <213> ORGANISM: Homo sapien
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    371 <222> LOCATION: (277)..(277)
    372 <223> OTHER INFORMATION: n= a, c, g, or t
    375 <400> SEQUENCE: 7
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    378 ccactggact tagagatgga ttgaatgtgg aagattaagg aaagggagaa atgaaagata      120
    380 gtcttaggtt tcatcttcag atgactgggt gaacagcagt gttctttgct aagatggggga     180
    382 agactaggga aaagagccag ttctgtattg agcatattat atttaagaca atcccatctg       240
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    395 <223> OTHER INFORMATION: n= a, c, g, or t
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    401 <223> OTHER INFORMATION: n= a, c, g, or t
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    407 <223> OTHER INFORMATION: n= a, c, g, or t
    410 <400> SEQUENCE: 8
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    415 tatagaaccg ttttgtgtag cattggaata ttgtccattt tgtaagtcat tgtgaatgtt      180
    417 cttaattatc agcttgaagg tatttttgta ttaaaagttg acattgaaga acctaagtgg      240
    419 atgatgggat ttggggccag tagtgaaagt atgtttcctc taaaatattt ccctaaacag      300
    421 tggtatacat ggttattttta ttatgagatt tgtatatgtt ctgtgtttct ctgtgaacaa     360
W--> 423 tgtttcagtc tctctgtcac catatgtaag gggaagtcca caaatatagn actacattgc       420
    425 acaaaactaa aattgttaat tacaagaaaa tataggtgct tacctttga aggtttatta      480
    427 atacatatgg ttgtcacaat acgtatatat gataaatggt gtacatatac agatgtttat     540
    429 ggtgtataaa ttttctata cccaattaga attatcttcc tgattcttta ttcaataaca      600
    431 tgctaattcc tcttctatgt tctatagtga cagaatgcta acttttctta taccctggca     660
    433 gaggacagag gagtctggtc taggatgggg aactgaattt ttgaacgaaa aggaaagaga      720
W--> 435 aaggatgnnn nnnnnnnnnn nnnnnnnnn nnnnnntaat gtttcttagt cattttgatt        780
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                RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 07/03/2002
                PATENT APPLICATION:   US/09/763,978A    TIME: 22:40:22

                Input Set : A:\PTO.AMC.txt
                Output Set: N:\CRF3\07032002\I763978A.raw
```

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:6;  N Pos.  6,9
Seq#:7;  N Pos.  277
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Seq#:8;  N Pos.  957
Seq#:12; N Pos.  30,248,383
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PCT09

RAW SEQUENCE LISTING   DATE: 06/12/2002
PATENT APPLICATION: US/09/763,978A   TIME: 14:40:15

Input Set : **A:\pto.vsk.txt**
Output Set: **N:\CRF3\06122002\I763978A.raw**

Does Not Comply
Corrected Diskette Needed

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  3 <110> APPLICANT: Salceda, Susana
  4         Sun, Yongming
  5         Recipon, Herve
  6         Cafferkey, Robert
  8 <120> TITLE OF INVENTION: A NOVEL METHOD OF DIAGNOSING, MONITORING, STAGING, IMAGING
  9         AND TREATING VARIOUS CANCERS
 11 <130> FILE REFERENCE: DEX-0172
 13 <140> CURRENT APPLICATION NUMBER: 09/763,978A
C--> 14 <141> CURRENT FILING DATE: 2002-04-30
 16 <150> PRIOR APPLICATION NUMBER: PCT/US99/19655
 17 <151> PRIOR FILING DATE: 1999-09-01
 19 <150> PRIOR APPLICATION NUMBER: 60/098,880
 20 <151> PRIOR FILING DATE: 1998-09-02
 22 <160> NUMBER OF SEQ ID NOS: 15
 24 <170> SOFTWARE: PatentIn version 3.1
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ERRORED SEQUENCES

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691 <211> LENGTH: 492
692 <212> TYPE: PRT
693 <213> ORGANISM: Homo sapien
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698 1               5                   10                  15
701 Asn His Gly Tyr Gln Pro Glu Asn Pro Tyr Pro Ala Gln Pro Thr Val
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705 Val Pro Thr Val Tyr Glu Val His Pro Ala Gln Tyr Tyr Pro Ser Pro
706             35                  40                  45
709 Val Pro Gln Tyr Ala Pro Arg Val Leu Thr Gln Ala Ser Asn Pro Val
710         50                  55                  60
713 Val Cys Thr Gln Pro Lys Ser Pro Ser Gly Thr Val Cys Thr Ser Lys
714 65                  70                  75                  80
717 Thr Lys Lys Ala Leu Cys Ile Thr Leu Thr Leu Gly Thr Phe Leu Val
718                 85                  90                  95
721 Gly Ala Ala Leu Ala Ala Gly Leu Leu Trp Lys Phe Met Gly Ser Lys
722             100                 105                 110
725 Cys Ser Asn Ser Gly Ile Glu Cys Asp Ser Ser Gly Thr Cys Ile Asn
726             115                 120                 125
729 Pro Ser Asn Trp Cys Asp Gly Val Ser His Cys Pro Gly Gly Glu Asp
730         130                 135                 140
733 Glu Asn Arg Cys Val Arg Leu Tyr Gly Pro Asn Phe Ile Leu Gln Met
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734 145                   150                   155                   160
737 Tyr Ser Ser Gln Arg Lys Ser Trp His Pro Val Cys Gln Asp Asp Trp
738                   165               170               175
741 Asn Glu Asn Tyr Gly Arg Ala Ala Cys Arg Asp Met Gly Tyr Lys Asn
742             .     180               185               190
745 Asn Phe Tyr Ser Ser Gln Gly Ile Val Asp Asp Ser Gly Ser Thr Ser
746             195               200               205
749 Phe Met Lys Leu Asn Thr Ser Ala Gly Asn Val Asp Ile Tyr Lys Lys
750       210               215               220
753 Leu Tyr His Ser Asp Ala Cys Ser Ser Lys Ala Val Val Ser Leu Arg
754 225               230               235               240
757 Cys Leu Ala Cys Gly Val Asn Leu Asn Ser Ser Arg Gln Ser Arg Ile
758                   245               250               255
761 Val Gly Gly Glu Ser Ala Leu Pro Gly Ala Trp Pro Trp Gln Val Ser
762                   260               265               270
765 Leu His Val Gln Asn Val His Val Cys Gly Gly Ser Ile Ile Thr Pro
766             275               280               285
769 Glu Trp Ile Val Thr Ala Ala His Cys Val Glu Lys Pro Leu Asn Asn
770       290               295               300
773 Pro Trp His Trp Thr Ala Phe Ala Gly Ile Leu Arg Gln Ser Phe Met
774 305               310               315               320
777 Phe Tyr Gly Ala Gly Tyr Gln Val Gln Lys Val Ile Ser His Pro Asn
778                   325               330               335
781 Tyr Asp Ser Lys Thr Lys Asn Asn Asp Ile Ala Leu Met Lys Leu Gln
782             340               345               350
785 Lys Pro Leu Thr Phe Asn Asp Leu Val Lys Pro Val Cys Leu Pro Asn
786             355               360               365
789 Pro Gly Met Met Leu Gln Pro Glu Gln Leu Cys Trp Ile Ser Gly Trp
790       370               375               380
793 Gly Ala Thr Glu Glu Lys Gly Lys Thr Ser Glu Val Leu Asn Ala Ala
794 385               390               395               400
797 Lys Val Leu Leu Ile Glu Thr Gln Arg Cys Asn Ser Arg Tyr Val Tyr
798                   405               410               415
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802             420               425               430
805 Asn Val Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Thr Ser
806             435               440               445
809 Asn Asn Asn Ile Trp Trp Leu Ile Gly Asp Thr Ser Trp Gly Ser Gly
810       450   .         455               460
813 Cys Ala Lys Ala Tyr Arg Pro Gly Val Tyr Gly Asn Val Met Val Phe
814 465               470               475               480
817 Thr Asp Trp Ile Tyr Arg Gln Met Lys Ala Asn Gly
818             485               490
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VERIFICATION SUMMARY   DATE: 06/12/2002
PATENT APPLICATION: **US/09/763,978A**   TIME: 14:40:16

Input Set : **A:\pto.vsk.txt**
Output Set: **N:\CRF3\06122002\I763978A.raw**

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